

CLAIMS

What is claimed is:

1. A radio frequency communication device comprising:
internal circuitry;
at least one antenna coupled to the internal circuitry; and
at least one antenna segment coupled to the at least one antenna by a fuse.
2. The radio frequency communication device of claim 1, further comprising a plurality of antenna segments coupled by fuses in series with the at least one antenna segment.
3. The radio frequency communication device of claim 1, wherein the at least one antenna segment comprises a plurality of antenna segments, each coupled to the at least one antenna in parallel by a fuse.
4. The radio frequency communication device of claim 1, wherein the at least one antenna comprises at least two antennas, each coupled to at least one antenna segment by a fuse.
5. The radio frequency communication device of claim 1, wherein the radio frequency communication device is a radio frequency identification tag.
6. The radio frequency communication device of claim 1, wherein the internal circuitry comprises at least one of a sleep circuit, a wake-up circuit, a receiver, a transmitter, control logic, memory and at least one battery.
7. The radio frequency communication device of claim 1, further comprising at least one antenna other segment associated with the at least one antenna through an antifuse.

8. The radio frequency communication device of claim 7, further comprising a plurality of antenna segments associated in series with the at least one antenna segment and connected through a plurality of antifuses.

9. The radio frequency communication device of claim 7, wherein the at least one other antenna segment comprises a plurality of antenna segments, each associated with the at least one antenna in parallel through an antifuse.

10. A radio frequency communication device comprising:
internal circuitry;
at least one antenna coupled to the internal circuitry; and
at least one antenna segment associated with the at least one antenna through an antifuse.

11. The radio frequency communication device of claim 10, further comprising a plurality of antenna segments associated in series with the at least one antenna segment through a plurality of antifuses.

12. The radio frequency communication device of claim 10, wherein the at least one antenna segment comprises a plurality of antenna segments, each associated with the at least one antenna in parallel through an antifuse.

13. The radio frequency communication device of claim 10, wherein the at least one antenna comprises at least two antennas, each associated with at least one antenna segment through an antifuse.

14. The radio frequency communication device of claim 10, wherein the radio frequency communication device is a radio frequency identification tag.

15. The radio frequency communication device of claim 10, wherein the internal circuitry comprises at least one of a sleep circuit, a wake-up circuit, a receiver, a transmitter, control logic, memory and at least one battery.

16. A radio frequency communication system comprising at least one of a transmitter, a receiver, a processor, an input device, an output device, data storage, and memory, the system further comprising at least one radio frequency identification tag associated therewith, the radio frequency identification tag comprising internal circuitry coupled to an antenna, the antenna including at least one antenna segment associated therewith through at least one of a fuse and an antifuse.

17. The radio frequency communication system of claim 16, wherein the antenna includes at least one antenna segment associated therewith through each of the fuse and the antifuse.

18. The radio frequency communication system of claim 16, wherein the at least one antenna segment is associated with the antenna in series.

19. The radio frequency communication system of claim 16, wherein the at least one antenna segment is associated with the antenna in parallel.

20. The radio frequency communication system of claim 16, wherein the at least one antenna segment comprises a plurality of antenna segments coupled in series by a plurality of fuses.

21. The radio frequency communication system of claim 16, wherein the at least one antenna segment comprises a plurality of antenna segments associated in series through a plurality of antifuses.

22. A method of forming an antenna for a radio frequency communication device, the method comprising:

forming an antenna and a plurality of antenna segments on a substrate; and

associating the plurality of antenna segments in series or in parallel with the antenna by forming at least one of a fuse and an antifuse therebetween.

23. The method of claim 22, wherein forming the antenna and the antenna segments on the substrate comprises forming the antenna and the antenna segments on a semiconductor substrate.